

# B. T-sedans

## Upper suspension

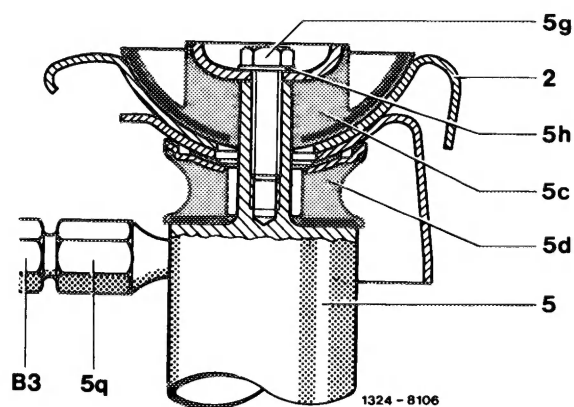
	1st version up to August 1982 Part No.	2nd version starting Sept. 1982 Part No.
Upper rubber mount (5c)	123 328 55 81	123 328 83 81
Lower rubber mount (5d)	123 328 71 81	123 326 00 68
Hex. screw or hex. socket screw	M 8 x 1 x 30	M 8 x 1 x 30 m K6
Spring washer (5h)	B 8	—
Disc (5i)	—	123 326 06 67

## Note

The upper suspension of spring struts has been revised. Instead of the previous spherical rubber mounts, plane rubber rings are used. The spring strut itself remains unchanged. Owing to the modification of the frame floor, a conversion from the first version to the second version is not possible.

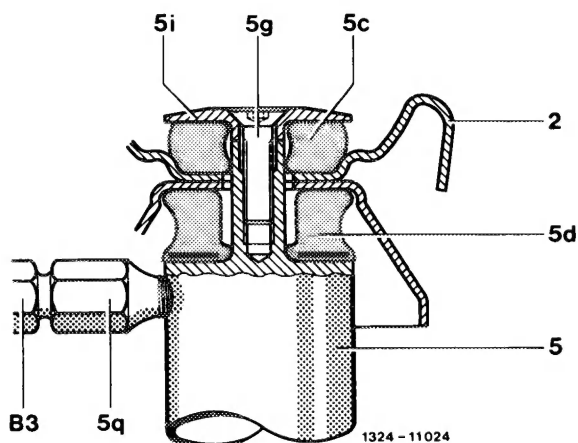
Upper suspension of spring strut  
(1st version up to August 1982)

- |    |                    |    |  |
|----|--------------------|----|--|
| 2  | Frame cross member | 5g | Hex. screw   |
| 5  | Spring strut       | 5h | Spring washer  |
| 5c | Upper rubber mount | 5q | Screw connection   |
| 5d | Lower rubber mount | B3 | Pressure line (pressure hose)<br>pressure reservoir — spring strut |



Upper suspension of spring strut  
(2nd version starting September 1982)

- |    |                    |    |  |
|----|--------------------|----|--|
| 2  | Frame cross member | 5i | Disc   |
| 5  | Spring strut       | 5q | Screw connection   |
| 5c | Upper rubber mount | B3 | Pressure line (pressure hose)<br>pressure reservoir — spring strut |
| 5d | Lower rubber mount |    |  |
| 5g | Hex. socket screw  |    |  |



**Test instructions for lower suspension**

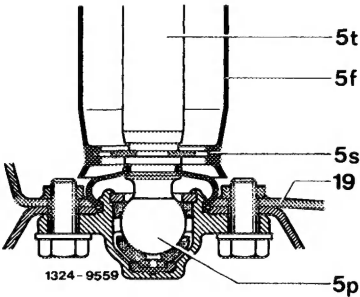
The ball pin of ball joint should be movable back and forth without play, but also without binding and without creaking noises; take care that the releasing torque is higher than the torque required for moving back and forth. In case of a defective sleeve, the ball joint must be renewed (32–612).

**Attention!**

Do not attach spring strut at piston rod.

Lower suspension of spring strut

- 5f Dust guard
- 5p Ball joint
- 5s Disc
- 5t Piston rod
- 19 Semi-trailing arm



Tightening torques		Nm
Hex. screw and hex. socket screw of above suspension	1st version up to August 1982	30
	2nd version starting September 1982	27
Hex. screw of lower suspension		45
Screw connection for pressure hose to spring strut		20
Coupling nut for pressure hose to pressure reservoir and spring strut		20
Hollow screw for ring fitting of pressure hose to pressure reservoir		43
Ball joint to spring strut		65

**Special tool**

Filling funnel with filter



126 589 12 63 00

## Note

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Spring struts serve simultaneously as deflection stop for rear wheels. For this reason, loosen upper suspension only when vehicle is on its wheels or when semi-trailing arm is supported.

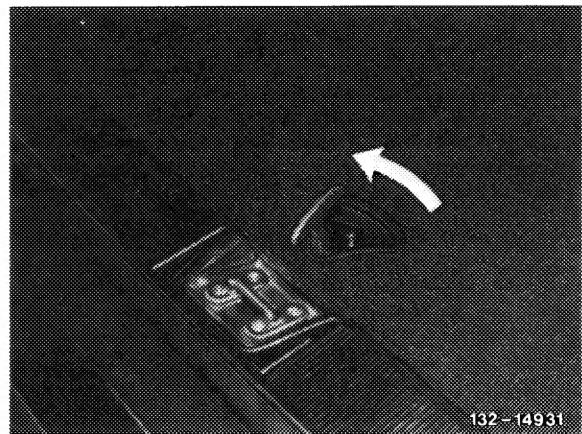
**Upper suspension of spring struts of 1st version (up to August 1982) consists of ball shell rubber mounts. Assemble only at level specified for loaded vehicle!**

If this assembly instruction is not complied with, distortion of bearing and thereby of spring strut piston rod involves the risk of rattling noises and early wear both of bearing as well as of the spring strut itself.

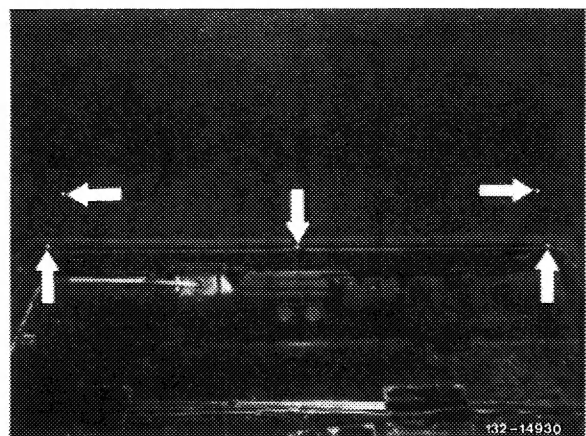
## Removal

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- 1 Empty pressure oil system (32-630).
- 2 Loosen trunk floor by turning tommy bar block and remove. Remove cover.
- 3 Fold rear seat bench down.



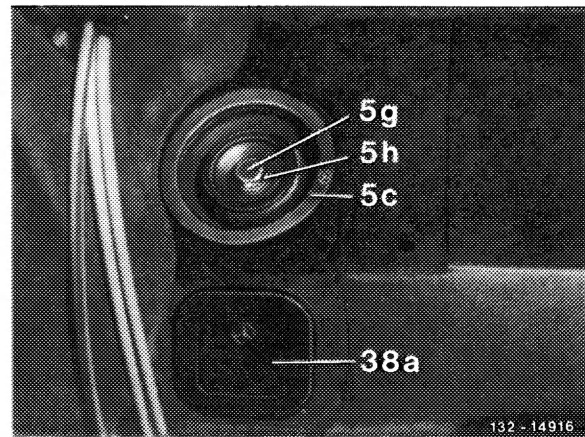
- 4 Remove cover for frame cross member after loosening the five Phillips head sheet metal screws (arrows).



5 Remove closing cover from frame cross member.

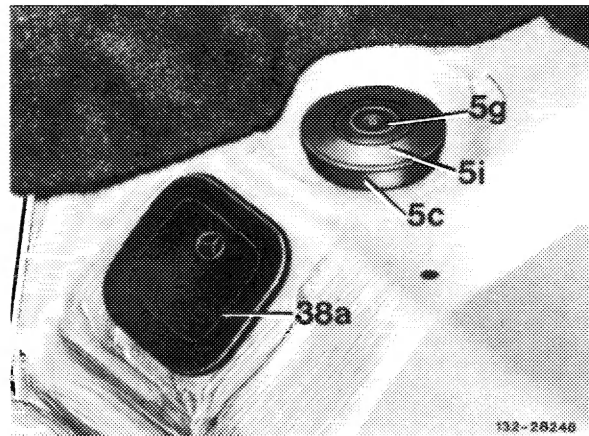
1st version (up to August 1982)

5c Upper rubber mount  
5g Hex. screw  
5h Spring washer  
38a Closing cover



2nd version (starting September 1982)

5c Upper rubber mount  
5g Hex. socket screw  
5i Disc  
38a Closing cover

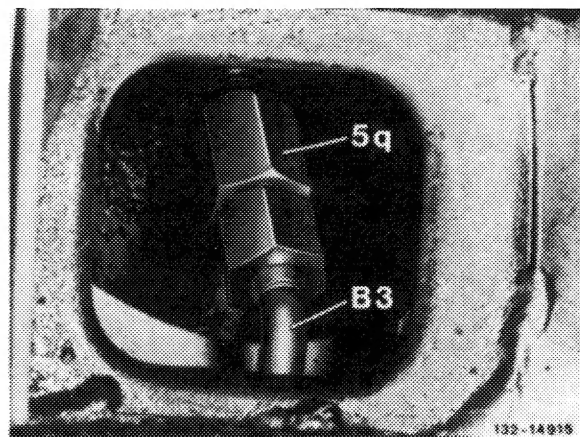


6 Disconnect pressure line (B3) (pressure hose) on spring strut, while applying counterhold on screw connection.

7 Close connections of pressure hose and spring strut with rubber caps.

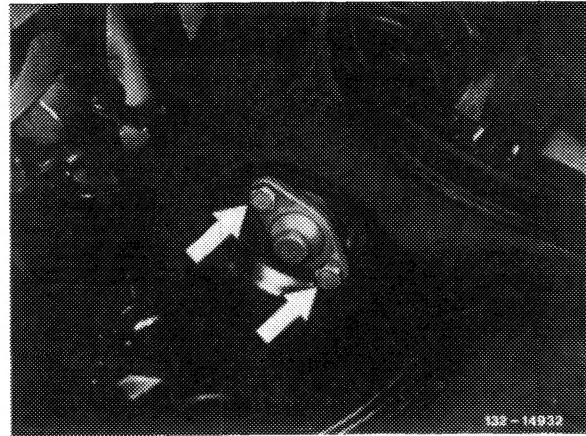
8 Loosen hex. screw or hex. socket screw on upper suspension and remove together with upper rubber mount (5c).

5q Screw connection  
B3 Pressure line (pressure hose)  
pressure reservoir — spring strut



9 Loosen hex. screws (arrows) of lower suspension on semi-trailing arm and remove spring strut in downward direction.

10 Remove lower rubber mount of upper suspension components from spring strut.



## Installation

### 1st version only

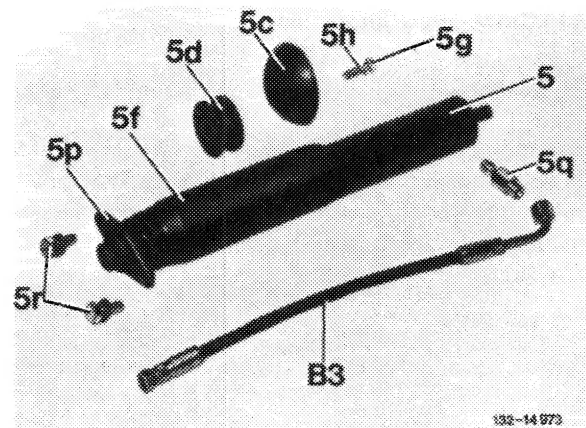
11 Move rear end of vehicle into level specified for loaded vehicle. For this purpose, measure semi-trailing arm position of rear axle and load rear end accordingly by placing weights into passenger compartment. (For values refer to table "vehicle level on rear axle under load" 40-310).

**Note:** For the installation of the 2nd version (starting September 1982), the level of the vehicle can be neglected.

12 Check suspension and connection components.

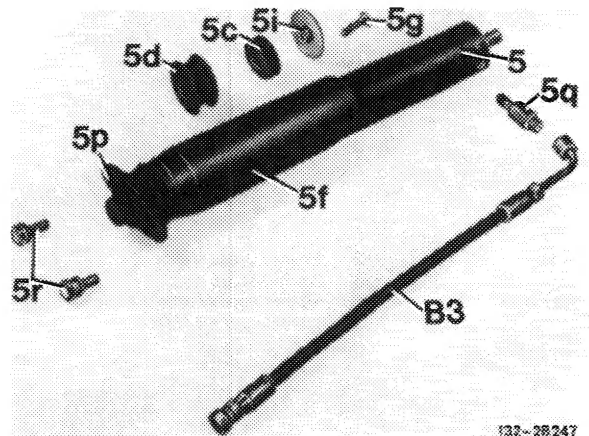
#### 1st version

- 5 Spring strut
- 5c Upper rubber mount
- 5d Lower rubber mount
- 5f Dust guard
- 5g Hex. screw
- 5h Spring washer
- 5p Ball joint
- 5q Screw connection
- B3 Pressure line (pressure hose)  
pressure reservoir — spring strut



#### 2nd version

- 5 Spring strut
- 5c Upper rubber mount
- 5d Lower rubber mount
- 5f Dust guard
- 5g Hex. socket screw
- 5i Disc
- 5p Ball joint
- 5q Screw connection
- B3 Pressure line (pressure hose)  
pressure reservoir — spring strut



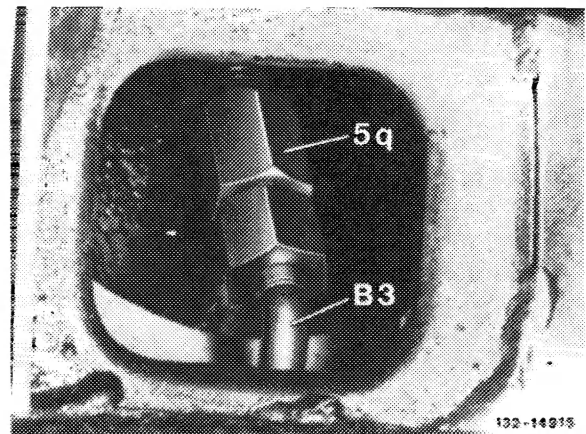
13 Install spring strut with lower rubber mount of upper suspension fitted — flat side facing spring strut — while making sure that the pressure oil connection points toward frame cross member and that the suspension pin extends through bore in frame cross member.

14 Install upper rubber mount and screw in hex. screw or hex. socket screw about 2 threads deep.

15 Attach spring strut to semi-trailing arm.

16 Align pressure oil connection of spring strut, screw-in and tighten slightly. Loosely screw-on pressure line (pressure hose).

5q Screw connection  
B3 Pressure line (pressure hose)  
pressure reservoir — spring strut

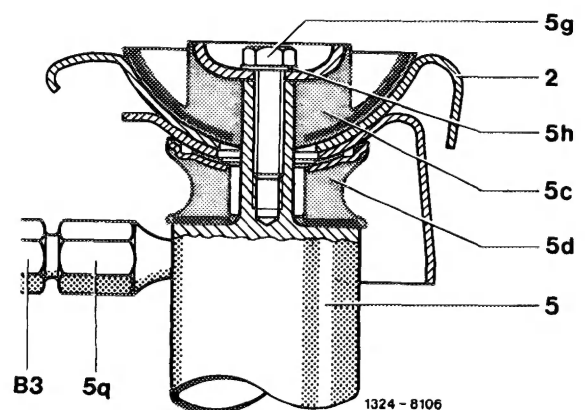


17 Center upper suspension.

#### 1st version

Pull spring strut (5q) on screw connection several times in upward direction and push down again. The upper rubber mount (5c) should lift each time from the mounting surface in frame cross member.

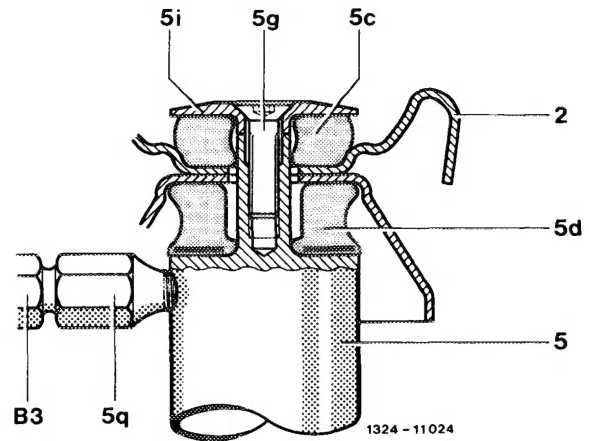
2 Frame cross member  
5 Spring strut  
5c Upper rubber mount  
5d Lower rubber mount  
5g Hex. screw  
5h Spring washer  
5q Screw connection  
B3 Pressure line (pressure hose)  
pressure reservoir — spring strut



## 2nd version

Upper rubber mount (5c) should be placed in center of receiving unit.

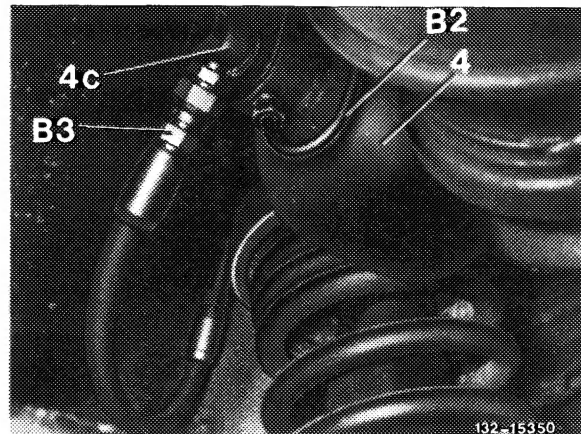
- 2 Frame cross member
- 5 Spring strut
- 5c Upper rubber mount
- 5d Lower rubber mount
- 5g Hex. socket screw
- 5i Disc
- 5q Screw connection
- B3 Pressure line (pressure hose)  
pressure reservoir — spring strut



18 Tighten hex. screw or hex. socket screw of upper suspension while applying counterhold on screw connection.

19 Tighten screw connection and pressure hose, while paying attention to correct position of hose. If required, change position of hose on ring fitting of pressure reservoir.

- 4 Pressure reservoir
- 4c Ring fitting
- B2 Pressure line pressure reservoir — level controller
- B3 Pressure line pressure reservoir — spring strut



20 Fill pressure oil system and check line connections for leaks (32—630).

21 Mount closing cover in frame cross member and cover.

22 Insert cover and cargo room floor, fold rear seat bench up.